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EWING GALLOWAY

AIR CONDITIONING FOR COMFORT

BY

Sturtevant
REG. U. S. PAT. OFF.

FRANKLIN INSTITUTE
PHILADELPHIA

CATALOG NO. 398



DEPARTMENT OF JUSTICE BUILDING, WASHINGTON, D.C.

Architects: Zautzinger, Borie & Medary, Philadelphia. Consulting Engineer: Isaac Hathaway Francis, Philadelphia.
General Contractors: George A. Fuller Co. Heating, Plumbing and Ventilation: Riggs Distler & Co., Inc. Air
Conditioning: The Cooling and Air Conditioning Corporation and Riggs Distler & Co., Inc.

STURTEVANT ~ *The Pioneer* in Comfort Air Conditioning

AIR CONDITIONING, a modern name for an old art, certainly has captured the imagination of people in general. It is on the front page of newspapers. It escapes hardly an issue of any magazine. It is on the tip of almost every tongue.

How old is air conditioning? To most people it dates back to their first visit to a "cooled" movie. Those early air conditioned moving picture theatres set off the spark that at last really made the public air conditioning conscious. There can be no doubt about that.

But . . . although all-year air conditioning has made its greatest strides within the past few years, it is by no means a new development. Nor did it see the light of day in the movies. It was born in a church . . . over 20 years ago!

To Orange, Texas, goes the honor. For it was there, in the Lutch Memorial Church, that the first installation of equipment for complete comfort air conditioning was made in 1912. This air conditioning system was designed by Sturtevant Engineers, and Sturtevant Apparatus was used

in it. At about the same time a similar air conditioning system was installed by Sturtevant in Chicago's well-known Congress Hotel.

Since these pioneer installations, Sturtevant has furnished air conditioning equipment for hundreds of places. They range from little cubby-hole lunchrooms to the magnificent new Department of Justice Building, Washington, D.C., which holds one of the world's largest complete comfort air conditioning installations.

The Pioneer in Complete Comfort Air Conditioning, Sturtevant makes available a comprehensive line of air conditioning apparatus backed by 70 years of air engineering experience. It is equipment in which you can have full confidence . . . thoroughly proved in service, soundly engineered, and sturdily built to the high standards for which Sturtevant is noted. It is assurance of dependable, economical operation.

The following pages show merely a few of the many Sturtevant installations. They indicate, however, the wide variety of places which have been Sturtevant equipped and the really great headway which air conditioning already has made.

LUTHER MEMORIAL CHURCH, ORANGE, TEXAS



CONGRESS HOTEL, CHICAGO, ILLINOIS



OVER TWENTY YEARS AGO...



INTERIOR SECOND FLOOR, HIGBEE DEPARTMENT STORE, CLEVELAND, OHIO

EXTERIOR HIGBEE DEPARTMENT STORE, CLEVELAND, OHIO
Architect and Engineer: Graham, Anderson, Probst & White, Chicago, Ill.
General Contractor: The Lundoff-Bicknell Co., Cleveland, Ohio

SPORTING GOODS DEPARTMENT, HIGBEE DEPARTMENT STORE, CLEVELAND, OHIO



DEPARTMENT STORES and other retail establishments

Stores of all kinds have been quick to take advantage of the sales value of air conditioning. Shown are a few of those which are Sturtevant equipped.

The great Higbee Department Store of Cleveland, shown to the left, is one of the country's largest department stores having complete comfort air conditioning.

LUNCH ROOM, G. C. MURPHY COMPANY
STORE, WASHINGTON, D.C.
Consulting Engineer: Mr. Arthur McGonagle,
Pittsburgh, Pa.

JAY COBBS DEPARTMENT STORE,
NEWARK, N.J.

BURGER PHILLIPS DEPARTMENT STORE,
BIRMINGHAM, ALA.
Architects: Miller & Martin, Birmingham, Ala.
Consulting Engineer: J. A. Lewis,
Birmingham, Ala.

MAISON ARNOLD
ROCKEFELLER PLAZA, NEW YORK
Architects: Reinhard & Hofmeister, Corbett,
Harrison & MacMurray, Hood & Foulhoux.
Engineer: Clyde R. Place, General
Contractor: Hageman-Harris & Co.



STURTEVANT COMFORT AIR CONDITIONING ...



INTERIOR KINGSPORT UTILITIES, KINGSFORT, TENN.



EXTERIOR KINGSFORT UTILITIES, KINGSFORT, TENN.
Architect: Allen N. Dryden, Kingsport, Tenn.

SHOWROOMS . .

Cool, comfortable showrooms invite customers and whet the appetite to buy.

These showrooms actually look cool and comfortable. And they are. All are air conditioned by Sturtevant Equipment.



OHIO POWER COMPANY, CANTON, OHIO
 DISPLAY ROOM
 Architect: Vernon Redding & Associates, Mansfield, Ohio

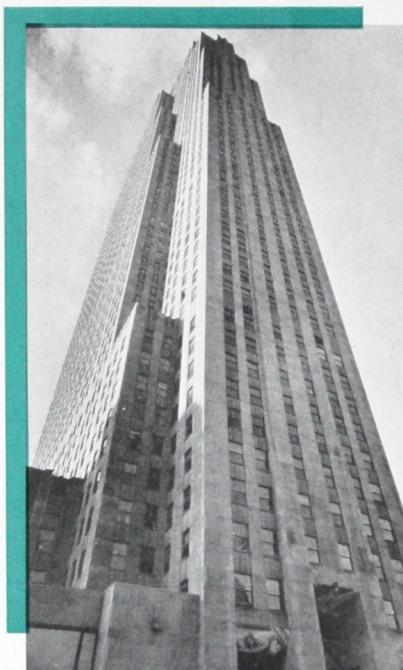


PHILADELPHIA ELECTRIC CO., PHILADELPHIA, PA.
 DISPLAY ROOM

HOW STURTEVANT AIR CONDITIONING FACILITATES SPACE RENTAL

R. C. A.
BUILDING,
ROCKEFELLER
CENTER,
NEW YORK, N.Y.

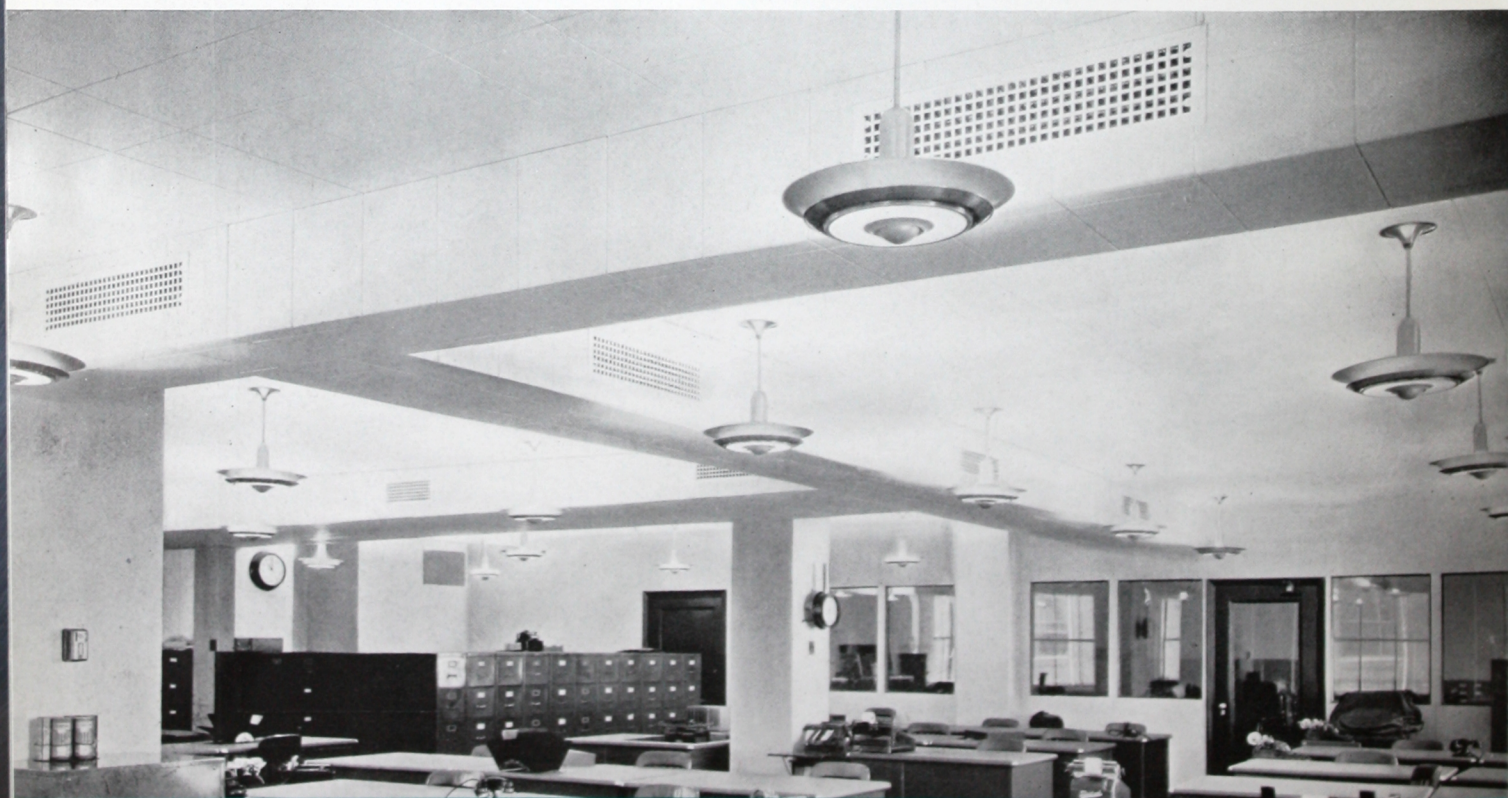
Architects:
Reinhard &
Hofmeister,
Corbett,
Harrison &
MacMurray,
Hood &
Foulhoux.
Engineer:
Clyde R. Place.
General
Contractor:
Hageman-Harris
& Co.



AIR CONDITIONING has proved to be a powerful aid in renting office space. In some instances it has enabled old buildings to successfully combat the competition of more modern structures. In other instances, it has been the means of maintaining rental values. In still other cases it has turned undesirable, unrentable space into highly attractive and quickly rentable quarters.

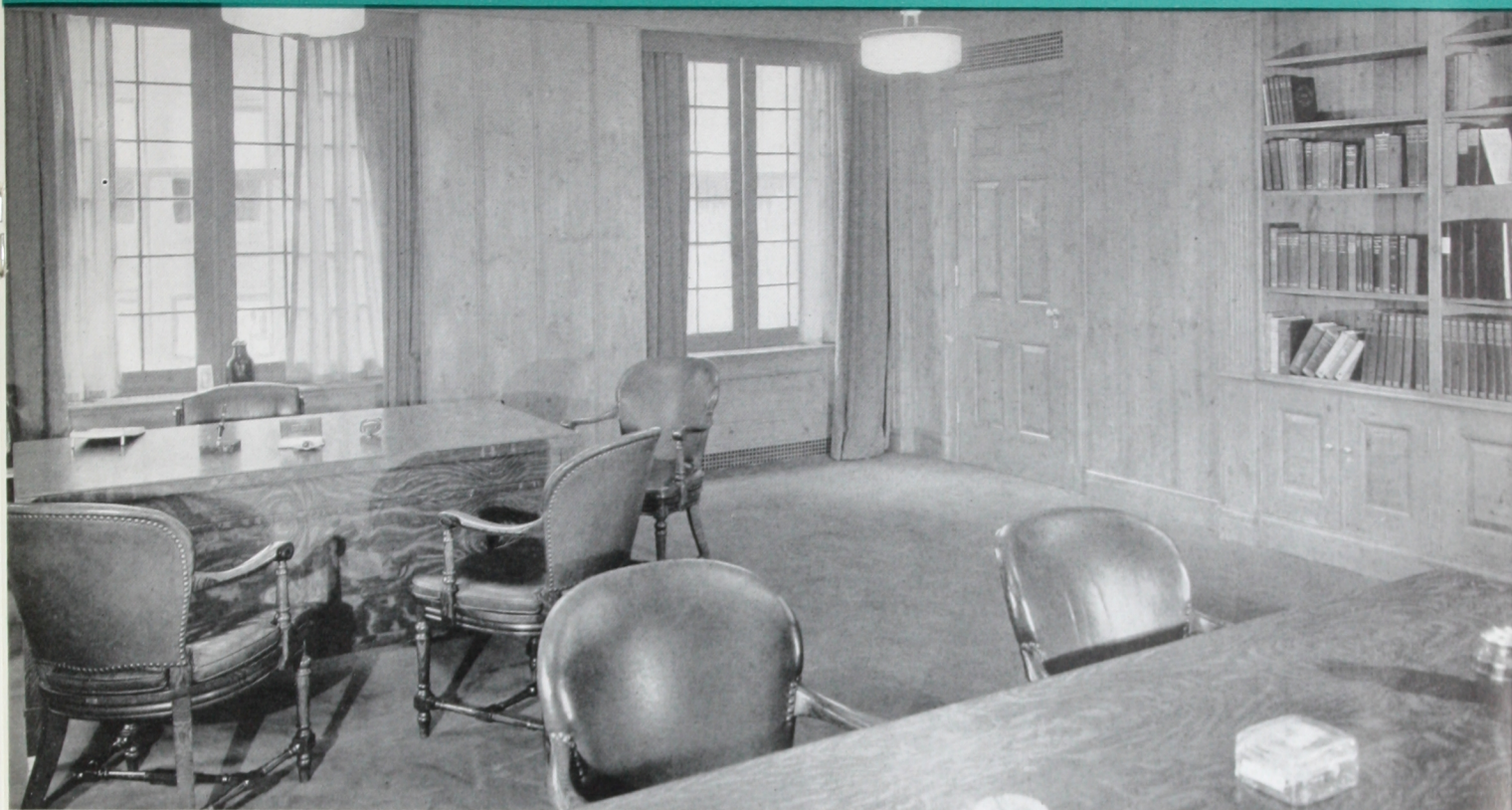
In the leasing of six floors in the 22 East 40th Street Building to the Johns-Manville Corporation, air conditioning was absolutely essential. In fact, it was demanded and made a feature of the lease between this company and the New York Trust Company.

JOHNS-MANVILLE CO., NEW YORK, N.Y. ACCOUNTING DEPARTMENT



STURTEVANT COMFORT AIR CONDITIONING...

STURTEVANT COMFORT AIR CONDITIONING...



JOHNS-MANVILLE Co., NEW YORK, N.Y. PRESIDENT'S OFFICE

The photographs on these pages are typical views of the Johns-Manville offices. They are air conditioned the year round—with cool, dehumidified air during the summer, and with warm, humidified air during the cold months. Since windows always are closed, distracting street noises are eliminated.

The new general offices of American Cyanamid Corporation, located on the 53rd to 60th floors of the Main Radio City Building, are also air conditioned. All of the equipment, including the necessary mechanical refrigeration, is installed between these floors. As far as records show, this is the highest complete air conditioning installation.

Actual experience indicates that in a building modernized by air conditioning, an increase of only 15 to 20 per cent in area rented justifies the investment in air conditioning, even at present low rental rates.

JOHNS-MANVILLE Co., NEW YORK, N.Y. WAITING AND RECEPTION ROOM FOR EXECUTIVE OFFICES





CENTRAL SAVINGS BANK, BALTIMORE, MD. MAIN BANKING SPACE
Architects: Smith & May, Baltimore, Md. Consulting Engineer: Reeder, Eiser & Akers, Baltimore, Md.

BANKS AND TRUST COMPANIES

BANKS AND TRUST Companies are conspicuous among the users of air conditioning. This is easily understood. For these are places where many people congregate and where there are closed-in areas inaccessible to natural ventilation. Furthermore, such institutions know that comfortable, imposing quarters instill confidence and attract patronage.

The customary architectural treatment of bank interiors,



MARYLAND TRUST COMPANY
PRESIDENT'S OFFICE

which includes high ceilings, in turn requires the location of a large part of the clerical staff on mezzanine spaces and in other places which are not readily accessible to out-of-door light and air. These ordinarily hot, stuffy quarters are made cool and comfortable by modern complete air conditioning.

It is interesting to note from the several illustrations on these two pages the various types of spaces which are air conditioned. Yet all of these

have been handled satisfactorily, regardless of the type of building construction or the location of the area requiring air conditioning. Main banking spaces, safety deposit departments, coupon rooms, vaults, private offices, conference rooms, restaurants and other areas are now regularly air conditioned by Sturtevant equipment. The installations pictured on these pages are representative Sturtevant installations.



MARYLAND TRUST COMPANY,
BALTIMORE, MD.
MAIN BANKING SPACE



WILMINGTON TRUST CO., WILMINGTON, DELAWARE. BANKING SPACE



FIDELITY UNION TRUST CO., NEWARK, N.J. SAFE DEPOSIT DEPARTMENT



MARYLAND TRUST COMPANY, BALTIMORE, MD. BOARD ROOM



SOUTHERN CALIFORNIA EDISON CO. BUILDING, LOS ANGELES, CALIF.
 Architects: Allison & Allison, Los Angeles, Calif. Consulting Engineers: Hunter & Hudson, San Francisco, Calif.
 General Contractor: P. J. Walker Co., San Francisco, Calif.

OFFICE BUILDINGS

IT IS confidently predicted by many that eventually all office buildings will be air conditioned . . . that the time will come when no office building without air conditioning can hope to survive competition.

This prediction does not appear to be far-fetched. For certainly it has been proved that air conditioning already is a real . . . and often an essential factor . . . in renting office space.

The structure above is the Southern California Edison Company Building, Los Angeles, California. The entire building is air conditioned by Sturtevant Equipment.



GOVERNMENT BUILDINGS

GOVERNMENT BUILDINGS are natural candidates for air conditioning. For most of them are beehives of activity and swarm with people.

The big House of Representatives Office Building, Washington, D.C., shown above, is air conditioned throughout by Sturtevant Equipment. The Federal Warehouse to the right has air conditioned office space and 7th floor rest rooms.



HOUSE OF REPRESENTATIVES OFFICE BUILDING, WASHINGTON, D.C.

Supervising Architect: David Lynn, Architect of the Capitol, Washington, D.C. Consulting Architects: The Allied Architects of Washington, D.C. Consulting Engineer: George A. Weschler, Washington, D.C. General Contractor: Consolidated Engineering Co., Baltimore, Md.

FEDERAL WAREHOUSE, WASHINGTON, D.C.

Architects: Office of Public Buildings and Public Parks, Washington, D.C. Consulting Engineer: Lockwood Greene, Engineers, Inc., New York, N.Y. General Contractor: B-W Construction Company, Washington, D.C.



CALIFORNIA INSTITUTE OF TECHNOLOGY, OPTICAL BUILDING, PASADENA, CALIF.
Designed by Gustav W. Iser. Consulting Engineer: Hunter & Hudson, San Francisco, Calif. Structural Design:
Professor Martel. General Contractor: R. Westcott Co., Pasadena, Calif.

WINDOWLESS BUILDINGS

THE illustration above is that of a successful windowless building . . . and it is completely air conditioned by Sturtevant Equipment.

An additional point of interest regarding this beautiful structure is that inside will be ground the huge 200-inch mirror for the world's largest telescope.

It was originally estimated that the time required for grinding would be nine years. The air conditioning system will make it possible to reduce the time required to grind this mirror from nine years to three years, or a saving of approximately six years.

Here air conditioning is doing double duty. It is holding work to precise measurements, and also contributing to the health and comfort of the workers.

STURTEVANT COMFORT AIR CONDITIONING . . .



THEATRES

CIRCLE THEATRE,
PHILADELPHIA, PA.

Architects: Hoffman
& Henon Co.,
Philadelphia, Pa.

General Contractor:
Day & Zimmermann
Co., Philadelphia, Pa.

AS STRANGE as it may seem, theatres were not among the first places to be air conditioned. But it was through the pioneer air conditioned theatre that the patrons got their first real taste of year-around air conditioning . . . and they liked it. So much so, that air conditioning was literally popularized overnight.

Many leading theatres and movie houses throughout the country are today kept cool and comfortable by Sturtevant Apparatus.





Sturlevant

REG. U.S. PAT. OFF.

COOLING *and* AIR CONDITIONING CORPORATION

DIVISION OF B. F. STURTEVANT COMPANY

Main Office: HYDE PARK, BOSTON, MASS.

ATLANTA CAMDEN CHICAGO LOS ANGELES
NEW YORK



Sales Engineering Offices in the Following Cities

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BOSTON, MASS.	HARTFORD, CONN.	SAN FRANCISCO, CALIF.
BUFFALO, N.Y.	INDIANAPOLIS, IND.	SEATTLE, WASH.
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CHICAGO, ILL.	LOS ANGELES, CALIF.	WASHINGTON, D.C.
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	NEW YORK, N.Y.	

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